

WHAT IS CLAIMED IS:

1. An improvement on a grinding tool, comprising
 - 5 a housing includes an upper body and a lower body releaseably joined to a lower end of the upper body;
 - a lever having a sector-shaped lower end formed with gear teeth; the lever being pivoted to the upper body at an intermediate portion thereof; an upper end of the lever being biased away from an upper
 - 10 end of the upper body by a first elastic element connected to both the lever and the upper body;
 - a one-way mechanism received in angularly displaceable manner in the upper body of the housing; the one-way member having an actuating gear abutting the gear teeth of the lever; the one-way
 - 15 mechanism having a one-way bearing connected to an annular inner side of the actuating gear; the one-way mechanism having a tube securely connected to an annular inner side of the one-way bearing; the actuating gear being engaged with the one-way bearing for angular displacement therewith in a first direction responsive to the
 - 20 lever being pushed close to the upper end of the upper body; the actuating gear being disengaged from the one-way bearing for angular displacement relative thereto in a second direction opposing the first direction responsive to the lever being reversibly displaced

from the pushed position by means of the first elastic element; and
a grinding mechanism including an outer grinding wheel secured in a
lower end of the lower body of the housing, and an inner grinding
wheel received in angularly displaceable manner in the outer
grinding wheel; the inner grinding wheel being connected to a
lower end of the tube so as to turn relative to the outer grinding
wheel to grind contents of the lower body therebetween when the
housing is held substantially upright with one hand, and the lever is
pushed close to the upper end of the upper body and released
repeatedly.

2. The grinding tool as claimed in claim 1, wherein the upper body of the housing has a transverse separating board in a lower end portion, and a transverse locating board under the transverse separating board; the boards having annular holding projections formed on middles thereof; the tube of the one-way mechanism being passed into the annular holding projections at two ends thereof.
3. The grinding tool as claimed in claim 1, wherein the tube of the one-way mechanism has an axial hole formed with a polygonal cross-section while a transmission shaft is connected to the inner grinding wheel, and the tube at lower and upper ends thereof respectively; the upper end of the transmission shaft being formed with a square cross-section, and passed into the axial hole of the tube.
4. The grinding tool as claimed in claim 1, wherein the actuating gear is

a bevel gear.

5. The grinding tool as claimed in claim 1, wherein the actuating gear is a face gear.

6. The grinding tool as claimed in claim 1, wherein the lever is formed
5 with a curved lower end instead, which has spur gear teeth thereon,
while a spur gear is arranged in the upper body of the housing, and
engages the spur gear teeth of the curved lower end of the lever; the
spur gear having a central shaft fitted into one-way bearings at two
ends thereof; the central shaft being passed through, and fixed to a
10 bevel gear; the actuating gear being engaged with the bevel gear
instead.

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